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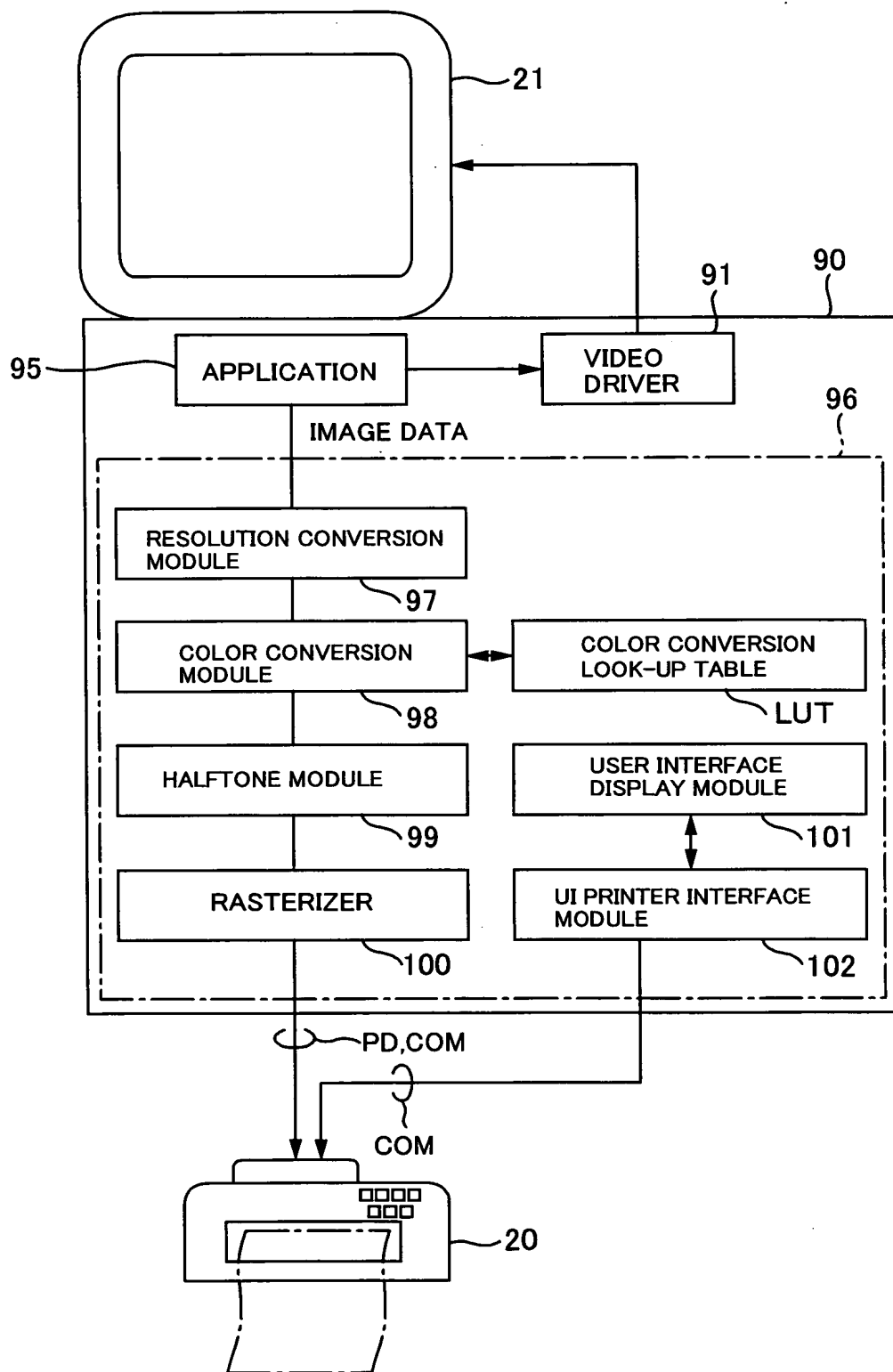


FIG. 1

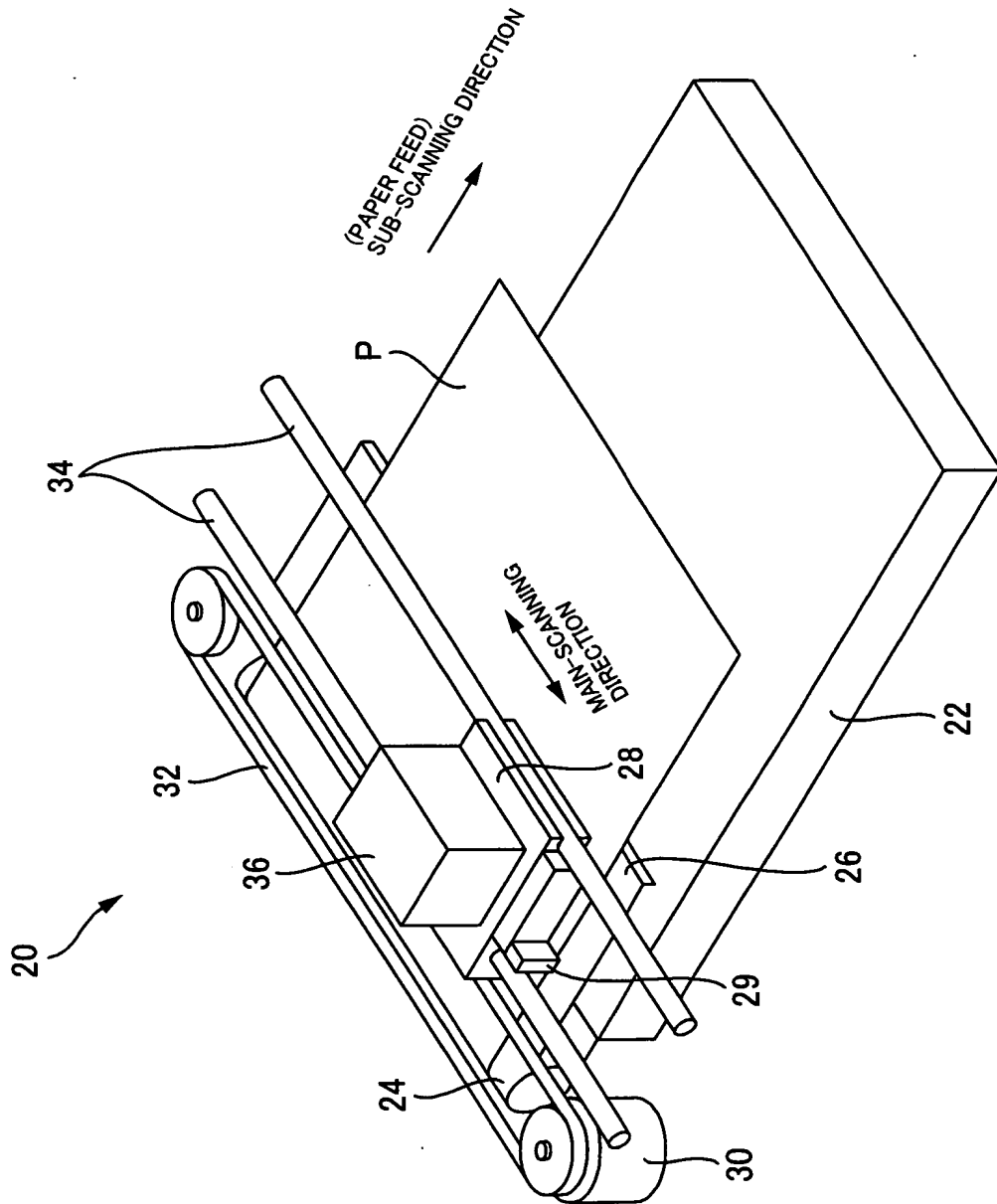


FIG. 2

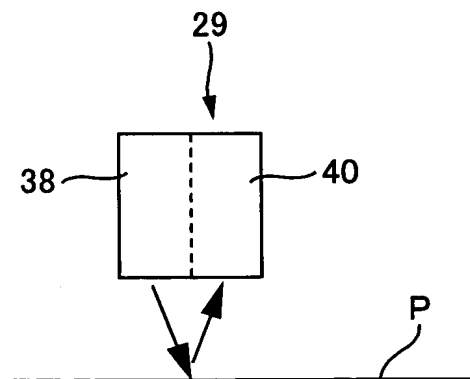


FIG. 3

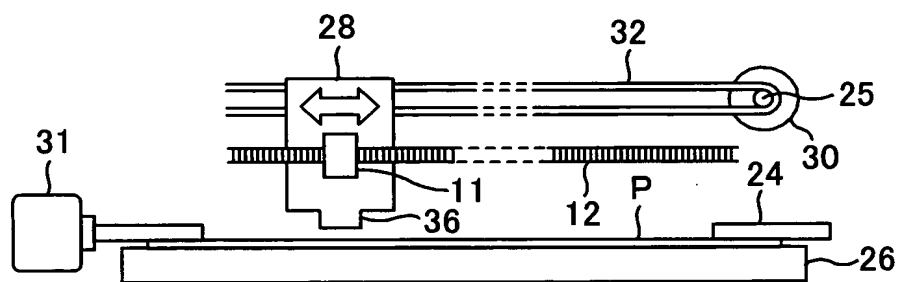


FIG. 4

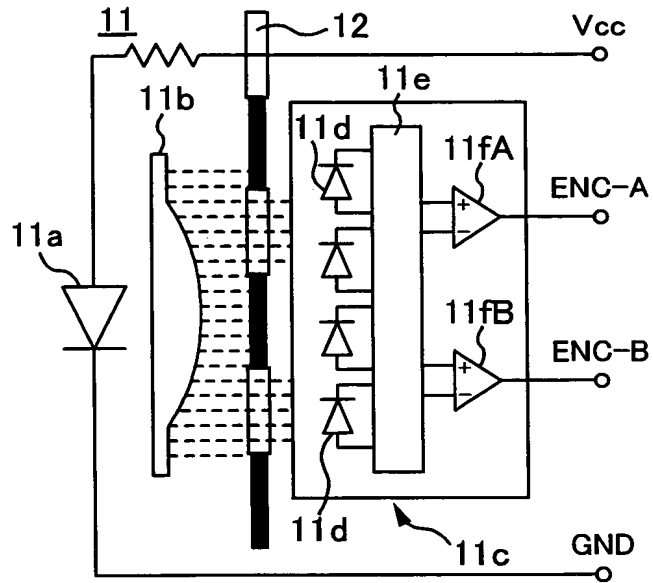


FIG. 5

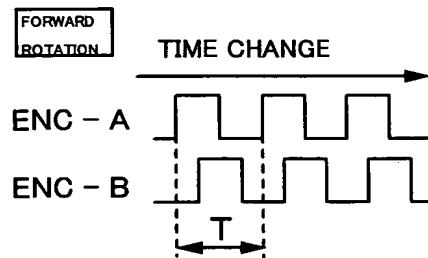


FIG. 6A

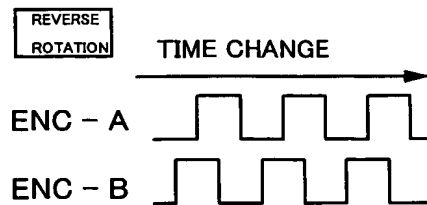


FIG. 6B

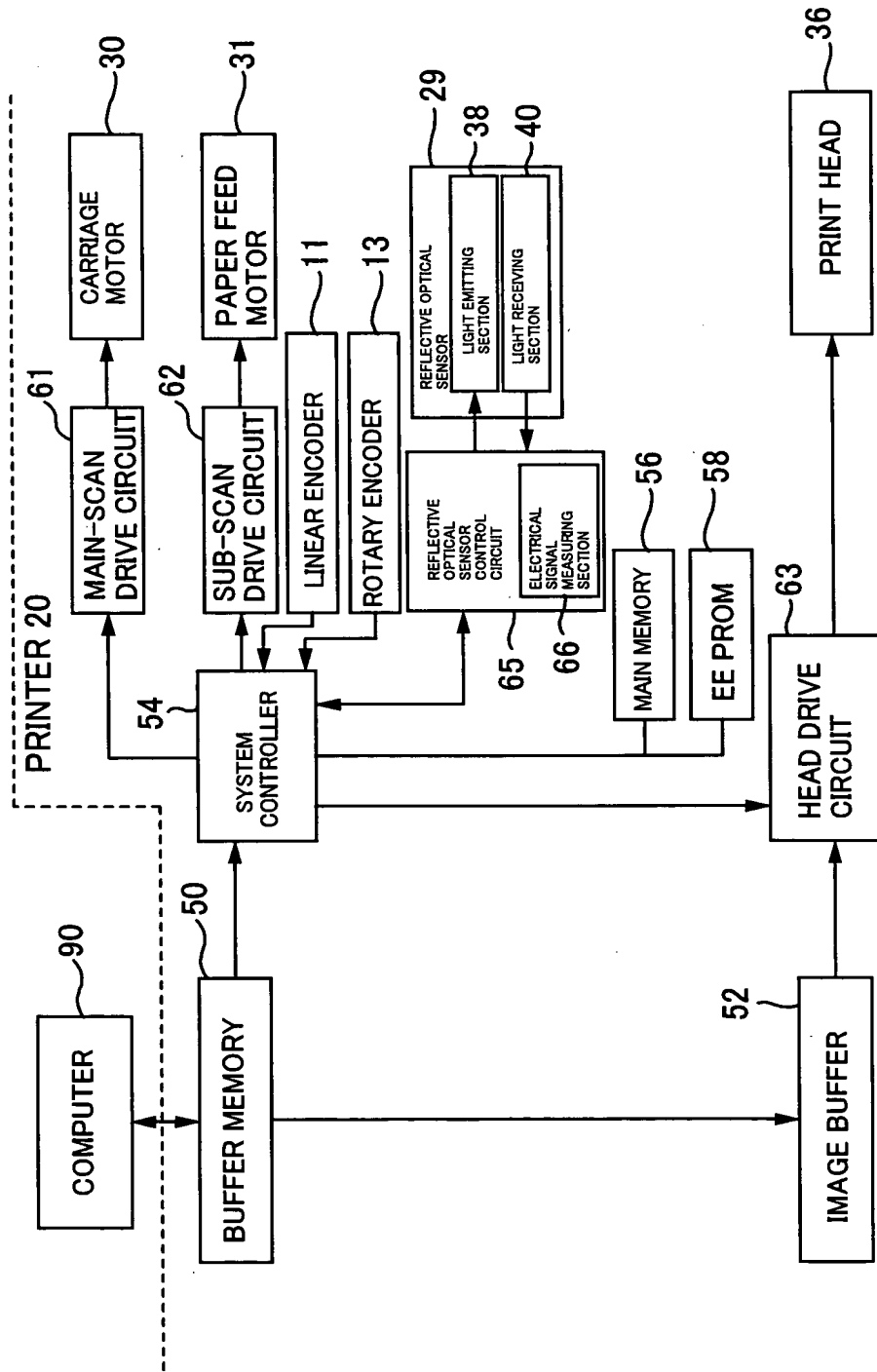


FIG. 7

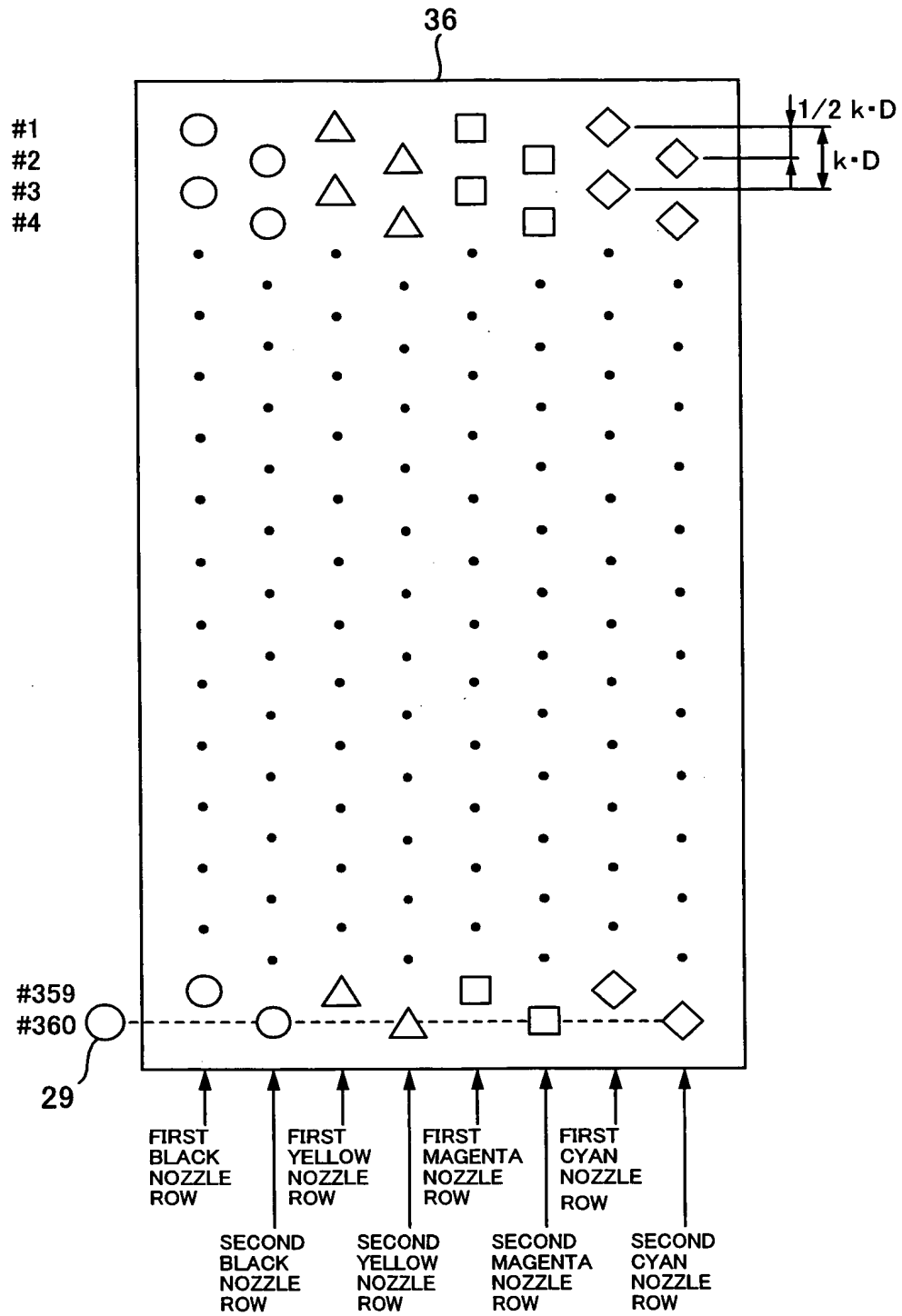


FIG. 8

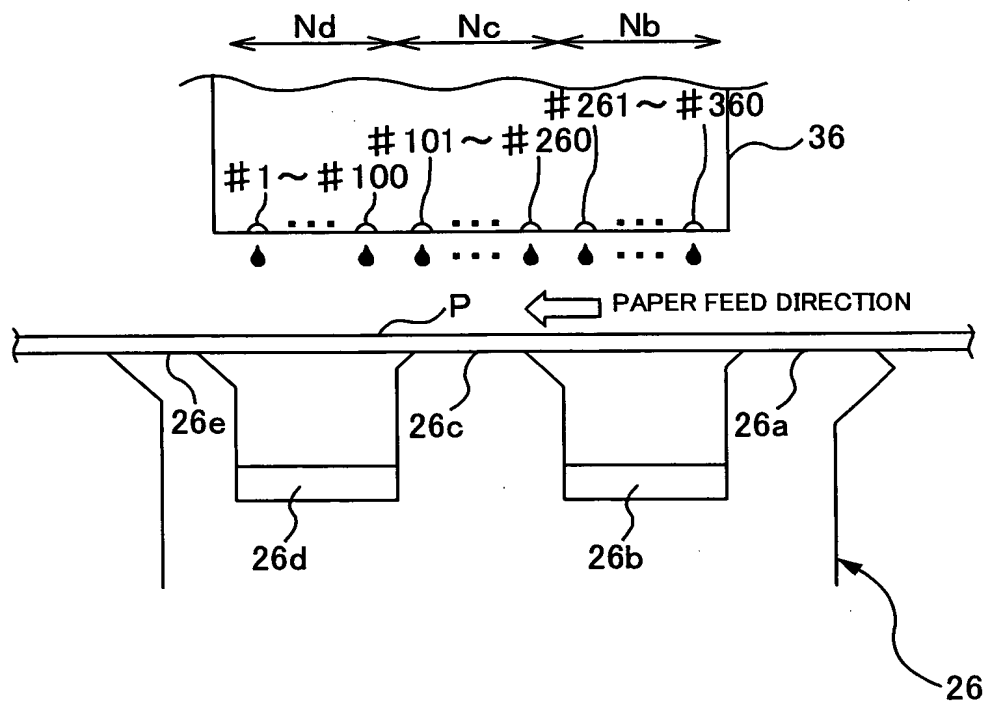


FIG. 9

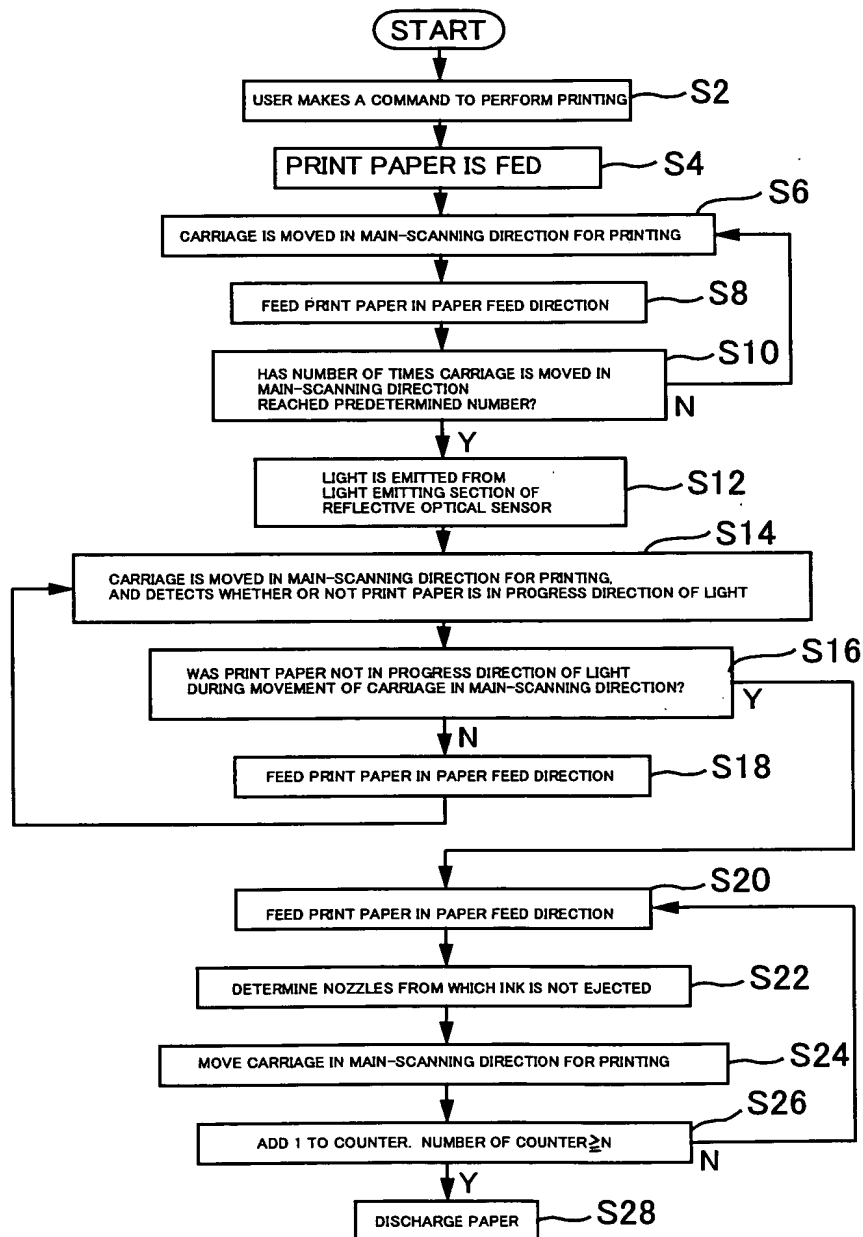


FIG. 10

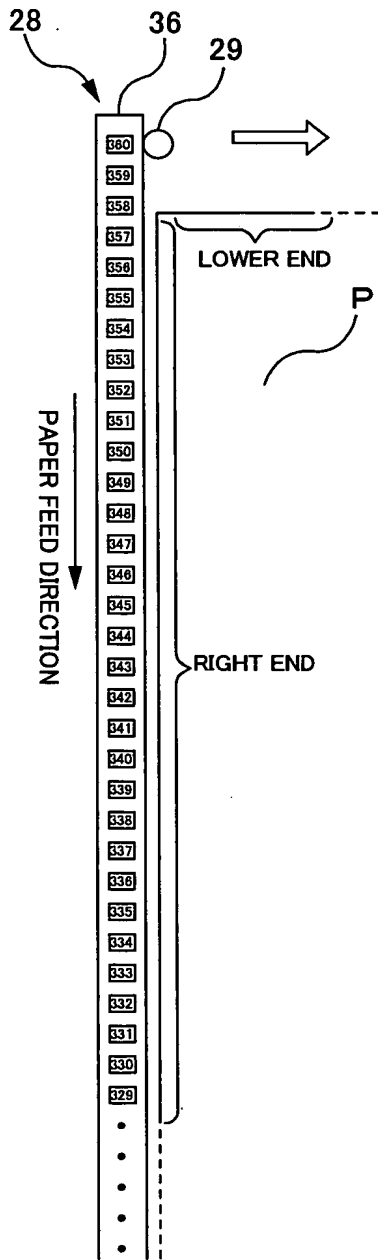


FIG. 11A

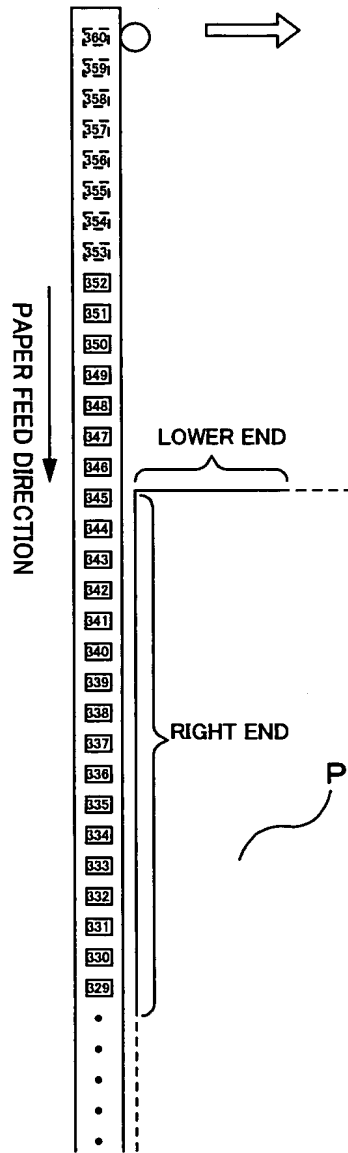


FIG. 11B

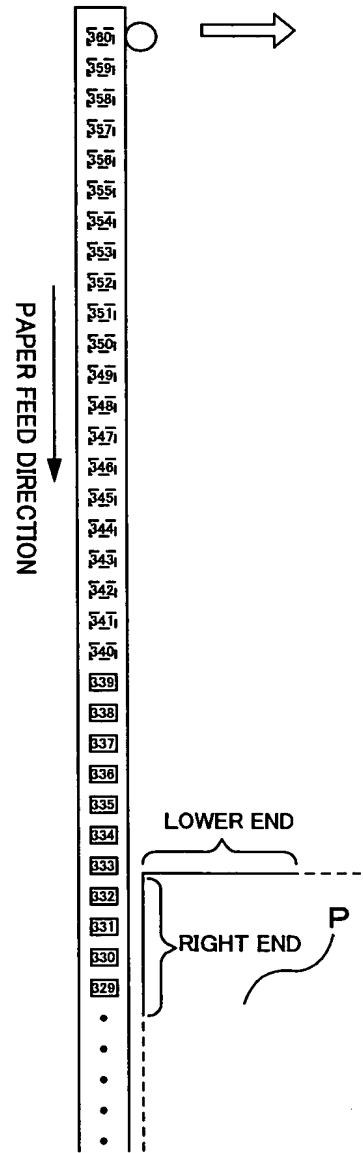


FIG. 11C

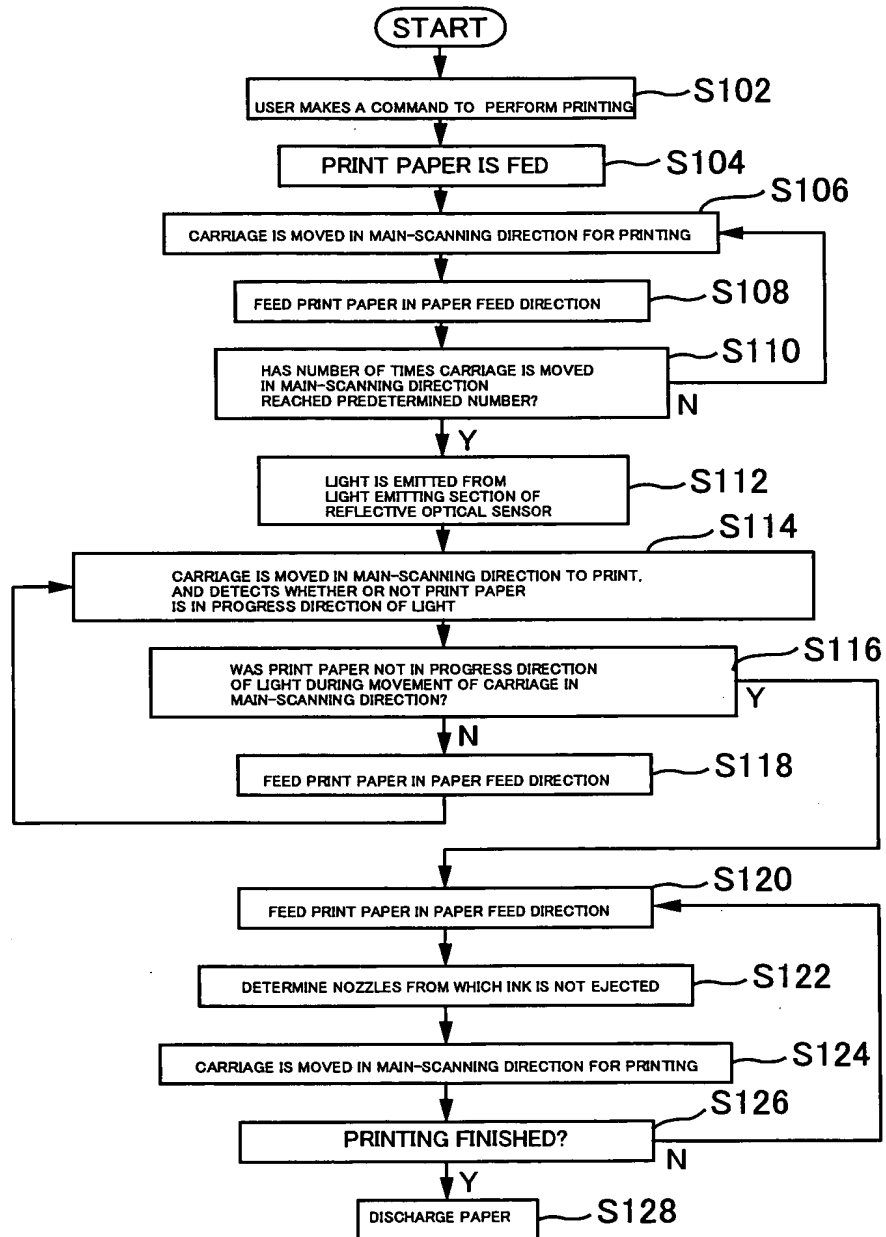


FIG. 12

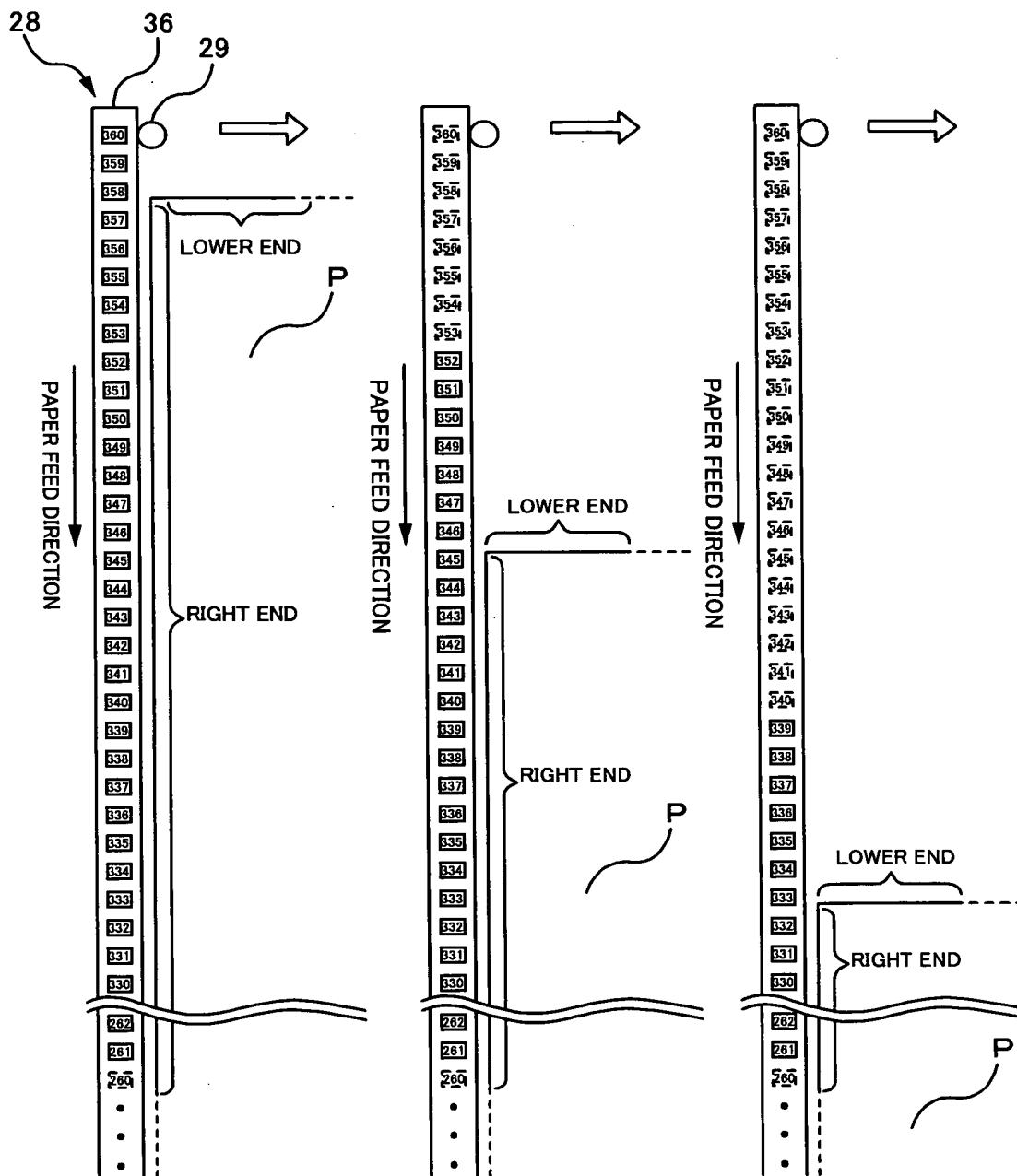


FIG. 13A

FIG. 13B

FIG. 13C

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NUMBER OF TIMES REPEATED [A]	NOZZLES THAT DO NOT EJECT INK[B]	NUMBER OF NOZZLES THAT DO NOT EJECT INK[C]	UPSTREAM SIDE SUPRA-NOZZLES [D]	NUMBER OF UPSTREAM SIDE SUPRA-NOZZLES [E]	VALUE OF E-C [F]
1	#353~#360	8	#261~#360	100	92
2	#340~#360	21			79
3	#328~#360	33			67
⋮	⋮	⋮			⋮
8	#265~#360	96			4
(9)	(#253~#360)	(108)			(-8)

FIG. 14